

Article 5. Plumbing Requirements

§ 2240. Application and Scope.

(a) The requirements of this article shall apply to the construction, installation, arrangement, alteration, use, maintenance, and repair of all plumbing equipment and installations to supply water to, and dispose of sewage from, units, accessory buildings or structures and permanent buildings in all parts of the state.

(b) Existing plumbing construction, connections, and installations made before the effective date of the requirements of this chapter may continue in use so long as they were in compliance with requirements in effect at the date of their installation and are not found to be substandard.

NOTE: Authority cited: Sections 18865, 18871.4, 18872 and 18873.1, Health and Safety Code. Reference: Section 18871.4, 18872 and 18873.1, Health and Safety Code.

§ 2246. Basic Plumbing Regulations.

(a) Except as otherwise permitted or required by this article, all requirements for plumbing equipment and installations outside of permanent buildings in parks shall comply with the California Plumbing Code, , with the exception of Chapter 1.

If there is any conflict between the provisions of this chapter and the California Plumbing Code, the provisions of this chapter shall prevail.

(b) All requirements for plumbing equipment and installations within permanent buildings in parks shall comply with the California Plumbing Code, except in a city, county, or city and county, which has assumed enforcement responsibility and has adopted, and is enforcing, a plumbing code equal to or greater than the requirements of this article.

NOTE: Authority cited: Sections 18865 and 18873.1, Health and Safety Code. Reference: Section 18865 and 18873.1, Health and Safety Code.

§ 2248. Sewage Disposal.

(a) All park drainage systems shall discharge into a public sewer or a private sewage disposal system approved by the local health department.

(b) Septic tanks shall not be located within five (5) feet of any unit, accessory building or structure, or permanent building. Leach or disposal fields shall not be located within eight (8) feet of any unit, accessory building or structure, or permanent building.

(c) Recreational vehicle drain outlets shall discharge into the park drainage system, or a closed, vented container approved by the local health department.

(d) Recreational vehicles occupying lots without drain inlets, or approved containers, shall have the drain outlets of the vehicles capped with a gas-tight cover.

(e) Any alternative means of sewage removal and disposal in a park shall be approved by the local health department.

NOTE: Authority cited: Section 18865, Health and Safety Code. Reference: Sections 18871.4 and 18873.1, Health and Safety Code.

§ 2252. Installation.

Listed nonmetallic pipe and fittings installed in park drainage systems shall be installed in accordance with their listing and applicable standards. When installed under roadways, minimum depth of cover for nonmetallic drain pipe shall be thirty-six (36) inches. The pipe shall be bedded on a minimum of three (3) inches of clean sand and shall be backfilled with a minimum cover depth of six (6) inches of clean sand, granulated earth or similar material. The trench shall then be backfilled in thin layers to a minimum of twelve (12) inches above the top of the nonmetallic pipe with clean earth, which shall not contain stones, boulders or other materials, which would damage or break the pipe.

NOTE: Authority cited: Sections 18865 and 18873.1, Health and Safety Code. Reference: Sections 18872 and 18873.1, Health and Safety Code.

§ 2254. Drain Inlet.

(a) On lots provided with a drain inlet for a unit, the drain inlet shall be not less than three (3) inches in diameter and shall be connected to an approved sewage disposal system.

(b) When drain inlets are provided, they shall accommodate a threaded or clamp-type fitting for connecting drain connectors at proper grade. The drain inlet shall be accessible at ground level. The vertical riser of a drain inlet shall not exceed three (3) inches in height above the concrete supporting slab. Drain inlets shall be gas-tight when not in use.

(c) Each drain inlet shall be protected from movement by being encased in a concrete slab not less than three and one-half (3½) inches in thickness and surrounding the inlet by not less than six (6) inches on any side.

(d) In parks constructed after July 7, 2004, that contain lot drain inlets, the opening of the drain inlet shall not extend above the surrounding concrete. The surface of the concrete surrounding the drain inlet shall be smooth finished concrete and shall slope a minimum of one-fourth (¼) inch per foot from the outer edge to the inner edge of the drain inlet.

(e) Drain inlets and extensions to grade shall be of material approved for underground use.

(f) The lot drain inlet shall be located within four (4) feet of the outside of the unit.

NOTE: Authority cited: Sections 18865, and 18873.1, Health and Safety Code. Reference: Section 18873.1, Health and Safety Code.

§ 2258. Trap.

(a) A lot drain inlet shall be provided with a trap except where:

(1) a recreational vehicle manufactured prior to January 1, 1999, is bearing an insignia of approval issued by the department, or

(2) a recreational vehicle manufactured on or after January 1, 1999, bearing a label or insignia indicating that the recreational vehicles manufacturer's construction and designs comply with either the American National Standards Institute (ANSI) Standard on recreational vehicles, A119.2, or the ANSI Standard on recreational vehicle park trailers, A119.5, is connected to the lot drain inlet.

(b) The park operator shall obtain the necessary permits from the enforcement agency and shall install the required trap and vent on the lot drain inlet for all lots designed for accommodating vehicles not bearing a department insignia of approval or evidence of compliance with applicable ANSI standards.

(c) When a unit is installed, or proposed to be installed and its plumbing fixtures are not protected by approved traps and vents, a lot drain inlet shall be provided with an approved trap.

NOTE: Authority cited: Section 18865, Health and Safety Code. Reference: Section 18873.1, Health and Safety Code.

§ 2260. Venting.

Where a drain inlet trap is provided, it shall be individually vented with a vent pipe of not less than two (2) inches interior diameter unless the system is a wet vented system as provided in section 2264 of this article.

NOTE: Authority cited: Section 18865, Health and Safety Code. Reference: Section 18873.1, Health and Safety Code.

§ 2262. Vent Location and Support.

All vent pipes in outdoor locations shall be located at least ten (10) feet from an adjoining property line and shall extend at least ten (10) feet above ground level. All vent pipes shall be supported by at least the equivalent of a four (4) inch by four (4) inch nominal dimension redwood post securely anchored in the ground. One-piece galvanized iron vent pipes may be self-supporting if securely anchored at their base in concrete at least, twelve (12) inches in depth and extending a minimum four (4) inches out from the pipe.

NOTE: Authority cited: Section 18865, Health and Safety Code. Reference: Section 18873.1, Health and Safety Code.

§ 2264. Wet Vented Systems.

(a) In lieu of the individual vents, the park drainage system may be wet vented by means of a combination drain, waste, and vent system. Wet vented systems in which the trap for one or more lots is not individually vented shall

be of sufficient size and provided with an adequate vent or vents to assure free circulation of air. Wet vented drainage systems may be permitted only when each such system conforms to Table 2268-1 and Table 2268-2 and all of the following requirements for such systems:

- (1) A wet vented drainage system shall have a terminal vent installed not more than fifteen (15) feet downstream from the uppermost trap on any branch line and shall be relief vented at intervals of not more than 100 feet or portion thereof.
- (2) Wet vented drainage laterals shall be not more than six (6) feet in length for three (3) inch diameter pipe and not more than fifteen (15) feet in length for four (4) inch diameter pipe.
- (3) No vertical drain pipe shall be permitted in any wet vented drainage system, except the tail pipe of the trap or riser of the drain inlet. Tail pipes shall be as short as possible, and in no case shall exceed two (2) feet in length.

NOTE: Authority cited: Section 18865, Health and Safety Code. Reference: Section 18873.1, Health and Safety Code.

§ 2266. Systems Without Traps.

Terminal or relief vents are not required for drainage systems without traps.

NOTE: Authority cited: Section 18865, Health and Safety Code. Reference: Section 18873.1, Health and Safety Code.

§ 2268. Pipe Size.

(a) Each lot drain inlet shall be assigned a waste loading value of six (6) fixture units and each park drainage system shall be sized according to Table 2268-1 or as provided herein. Drainage laterals shall be not less than three (3) inches in diameter.

(b) A park drainage system in which the grade, slope, or sizing of drainage pipe does not meet the minimums specified in Tables 2268-1 or 2268-2 shall be designed by a registered engineer for a minimum velocity flow of two (2) feet per second.

(c) Park drainage systems installed without P-traps or vents may be sized for individually vented systems in accordance with Table 2268-1 for individually vented systems.

(d) A park drainage system which exceeds the fixture unit loading of Table 2268-1 shall be designed by a registered engineer.

TABLE 2268-1			
Drainage Pipe Diameter and Number of Fixture Units on Drainage System			
Size of Drainage Pipe(Inches)	Maximum No. of Fixture Units Individually Vented System	Maximum No. of Fixture Units Wet Vented System	Terminal & Relief Vent Wet Vented System(Inches)
3	35	14	2
4	180	35	3
5	356	180	4
6	600	356	4
TABLE 2268-2			
Minimum Grade and Slope of Drainage Pipe			
Pipe Size(inches)	Slope per 100 ft.(inches)	Pipe Size(inches)	Slope per 100 ft.(inches)
2	25	6	8
3	20	8	4
4	15	10	3 ½
5	11	12	3

NOTE: Authority cited: Section 18865, Health and Safety Code. Reference: Section 18873.1, Health and Safety Code.

§ 2269. Recreational Vehicle Sanitation Stations.

- (a) Recreational vehicle sanitation stations shall be provided in an accessible location.
- (b) One recreational vehicle sanitation station shall be provided for each one hundred (100) lots or portion thereof not provided with three (3) inch drain inlets.
- (c) Recreational vehicle sanitation stations are not required in tent camps, incidental camping areas, or dry camps, but if provided, they shall comply with the requirements of this Article.

NOTE: Authority cited: Section 18865.1, Health and Safety Code. Reference: Sections 18865.1, 18871.3, 18871.4 and 18873.1, Health and Safety Code.

§ 2270. Sanitation Station Specifications.

- (a) Each recreational vehicle sanitation station shall be provided with a drain inlet not less than four (4) inches in diameter, discharging into a trap not more than twenty-four (24) inches below the drain inlet. The drain inlet shall be equipped with a hinged cover, which shall effectively close the drain inlet when not in use.
- (b) Each drain inlet shall discharge into a drainage lateral not less than four (4) inches in diameter connected to a public sewer or private sewage disposal system.
- (c) The drain inlet of each recreational vehicle sanitation station shall be set in a concrete drain receptor not less than three and one-half (3 ½) inches in thickness and not less than two (2) feet horizontally from the drain inlet to the inside of the surrounding curb. The surrounding curb shall be at least four (4) inches wide and two (2) inches above the floor of the receptor. The inside surface of the drain receptor shall be smooth finished concrete and shall slope a minimum of one-fourth (¼) inch per foot from the bottom of the curb to the lip of the drain inlet.
- (d) A three-fourths (¾) inch water hose connection shall be installed at each recreational vehicle sanitation station to allow connection of a hose for wash-down operation. A listed and approved backflow preventing vacuum breaker shall be permanently installed in the water service pipe at least six (6) inches above the highest point of usage. Provisions shall be made to store the wash-down hose off the ground.
- (e) A sign providing operating instructions shall be posted at all recreational vehicle sanitation stations.

NOTE: Authority cited: Section 18865.1, Health and Safety Code. Reference: Sections 18865.1, 18871.3, 18871.4 and 18873.1, Health and Safety Code.

§ 2272. Sanitation Station Warning Sign.

- (a) A warning sign shall be located immediately adjacent to the hose connection of the recreational vehicle sanitation station and shall read:

DANGER, UNSAFE WATER
Use this hose to flush holding tank and drain receptor **ONLY**.

- (b) The warning sign shall be not less than eighteen (18) inches by twenty-four (24) inches and lettered in minimum size of not less than one (1) inch lettering in a color contrasting with the background.

NOTE: Authority cited: Section 18865.1, Health and Safety Code. Reference: Sections 18865.1, 18871.3, 18871.4 and 18873.1, Health and Safety Code.

§ 2274. Lot Water Service Outlet.

- (a) Each lot provided with a lot drain inlet shall be provided with a lot water service outlet delivering safe, pure, and potable water. The lot water service outlet riser shall be not less than three-quarter (¾) inch nominal pipe size. Lots may be provided with a lot water service outlet where no lot drain inlet has been installed.
- (b) Each lot water service outlet shall be provided with an accessible water outlet designed for connecting a three-fourths (¾) inch female swivel hose connection for emergency use, in addition to the unit water connection.

(c) Where lot water service outlets are not provided, water pipe risers shall be installed throughout the special occupancy park area for the supply of potable water and fire suppression. Gravel, crushed rock, or other approved material shall be provided at the base of each water pipe riser as necessary to prevent the accumulation of standing water or muddy conditions. Water pipe risers shall be installed within one hundred (100) feet of all lots not provided with lot water service outlets.

(d) Potable water need not be supplied in an incidental camping area if it is designated as a "dry camp" and occupants are so notified by the operator. If water is supplied, it shall be safe, pure, and potable and adequate for all the requirements of the incidental camping area.

NOTE: Authority cited: Section 18865.1, Health and Safety Code. Reference: Sections 18870.1 and 18873.1, Health and Safety Code.

§ 2276. Pressure.

(a) Parks constructed between July 11, 1979, and July 6, 2004, shall have water distribution systems capable of providing a pressure not less than fifteen (15) pounds per square inch at each lot at maximum operating conditions. Parks constructed before and after the above dates must be capable of maintaining twenty (20) pounds per square inch at maximum operating conditions.

(b) The testing of a water system in a park to determine the maximum operating condition shall be either performed at the reported time of maximum water pressure loss, if within normal business hours, or measured with twenty-five (25) percent of the required lot water supply outlets, as defined in section 2308 of this chapter, open with the pressure metering device at the end of the tested line.

NOTE: Authority cited: Sections 18865 and 18873.1, Health and Safety Code. Reference: Sections 18865 and 18873.1, Health and Safety Code.

§ 2278. Water Pipe Size.

(a) The quantity of water required to be supplied to each lot provided with a drain inlet shall be as required for six (6) fixture units.

(b) Park water distribution systems shall be designed and installed as set forth in the California Plumbing Code, Chapter 6, and Appendix A.

NOTE: Authority cited: Sections 18865 and 18873.1, Health and Safety Code. Reference: Section 18873.1, Health and Safety Code.

§ 2280. Mechanical Protection.

Where subject to physical damage, all park water service outlets shall be protected by posts, fencing, or other barriers approved by the enforcement agency.

NOTE: Authority cited: Section 18865, Health and Safety Code. Reference: Section 18873.1, Health and Safety Code.

§ 2284. Water Conditioning Equipment.

(a) A permit shall be obtained from the enforcement agency prior to installing any regenerating water conditioning equipment on a lot. Approval of the park operator is required on all applications for a permit to install such equipment. Where the water conditioning equipment is of the regenerating type, and the park drainage system discharges into a public sewer, approval of the sanitary district or agency having jurisdiction over the public sewer is required prior to issuance of the permit.

(b) Regenerating water conditioning equipment shall be listed and labeled by an approved listing agency.

(c) Regenerating units shall discharge the effluent of regeneration into a trap not less than one and one-half inches in diameter connected to the park drainage system. An approved air gap shall be installed on the discharge line a minimum of twelve (12) inches above the ground. The trap need not be vented.

(d) Electrical supply connections to regenerating water conditioning equipment shall comply with the requirements of this chapter.

NOTE: Authority cited: Section 18865, Health and Safety Code. Reference: Sections 18873.1 and 18873.3, Health and Safety Code.